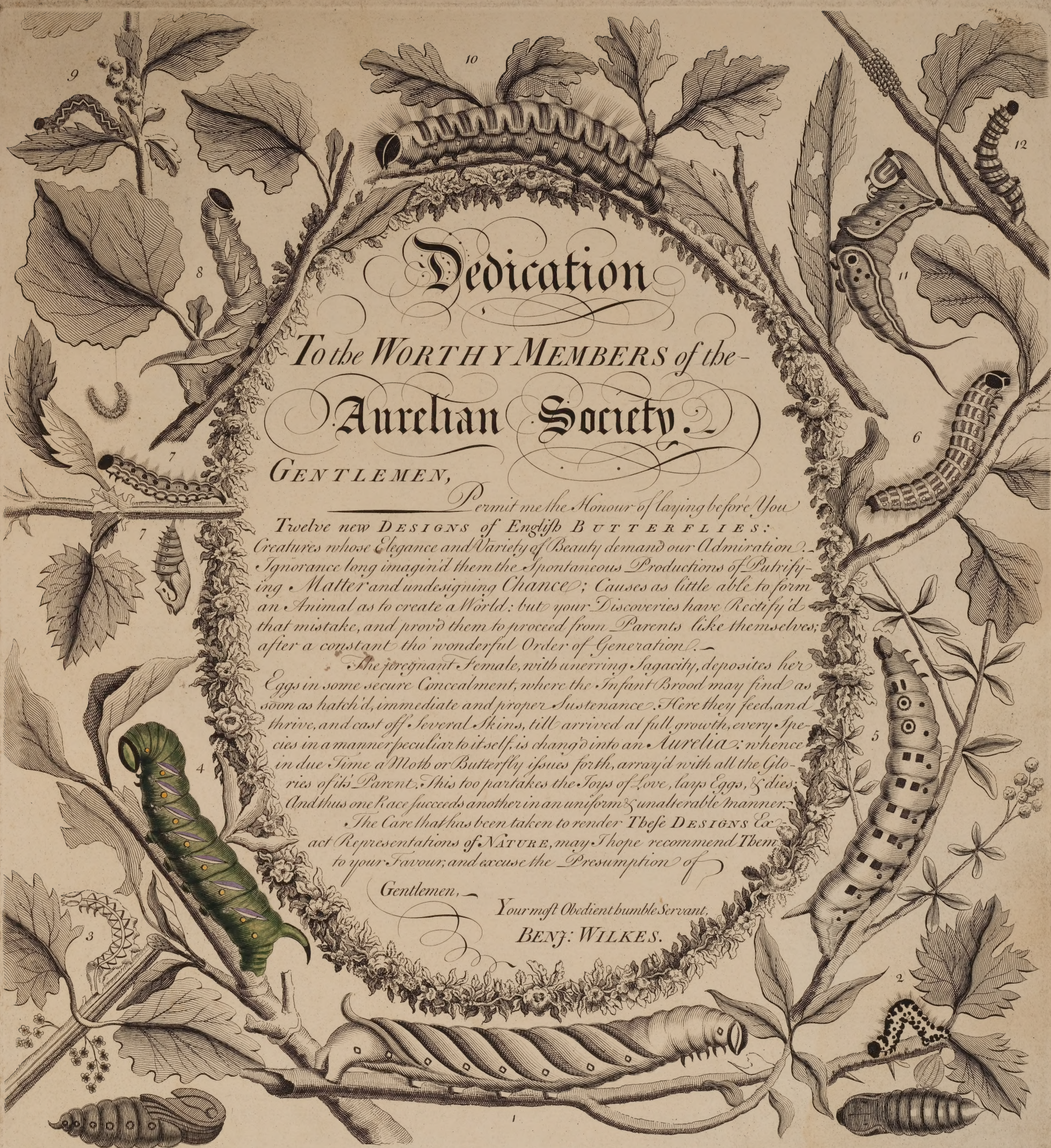




F. 645

B. WILKES.

Lacks Plate 9



Dedication
To the WORTHY MEMBERS of the
Aurelian Society.
GENTLEMEN,

Permit me the Honour of laying before You
Twelve new DESIGNS of English BUTTERFLIES:
Creatures whose Elegance and Variety of Beauty demand our Admiration.
Ignorance long imagin'd them the Spontaneous Productions of Putrifying
Matter and undesigning Chance; Causes as little able to form
an Animal as to create a World: but your Discoveries have Rectify'd
that mistake, and prov'd them to proceed from Parents like themselves,
after a constant tho' wonderful Order of Generation.

The pregnant Female, with unerring Sagacity, deposits her
Eggs in some secure Concealment, where the Infant Brood may find as
soon as hatch'd, immediate and proper Sustenance. Here they feed, and
thrive, and cast off several Skins, till arriv'd at full growth, every Spe-
cies in a manner peculiar to itself, is chang'd into an Aurelia: whence
in due Time a Moth or Butterfly issues forth, array'd with all the Glo-
ries of its Parent. This too partakes the Toys of Love, lays Eggs, & dies:
And thus one Race succeeds another in an uniform & unalterable manner.

The Care that has been taken to render These DESIGNS Ex-
act Representations of NATURE, may I hope recommend Them
to your Favour, and excuse the Presumption of

Gentlemen,
Your most Obedient humble Servant,
BENJ: WILKES.

1. The Bee Tyger Caterpillar 2. The Great Magpye D.^o 3. This Caterpillar feeds on Nettles. 4. The Privet Hawk Caterpillar. 5. The Elephant D.^o 6 The Buff Tipt D.^o
7 The Small Tortoiseshell D.^o (with its Chrysalis) 8. The Poplar Hawk Caterpillar: 9. A Looper. 10. The Great Egger Caterpillar: 11. The Puffs D.^o 12. This Caterpillar feeds on Oak.

Sells Plain (or Colour'd from the Real Hyes) Sold by B Wilkes against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may
See His COLLECTION of INSECTS.

Published by Benj: Wilkes, June y^e 15. 1742. According to Act of Parliament

Design'd by B. Wilkes.

Engrav'd by H. Roberts.



1. The Great Egger Moth. The Caterpillar feeds on White Thorn, goes into Chrysalis about the End of May, the Moth comes forth in June. 2. The Small Clouded Yellow Moth. This Fly is taken by beating the Hedges in the Month of June. 3. The Heath-Moth. Taken in the Fly State the middle of May in Hanging-Wood. 4. The Peacock-Butterfly. The Caterpillar feeds on Nettles, goes into Chrysalis in June, the Fly appears in July. 5. The Speckled Yellow Moth. Taken in the Fly State the beginning of May. 6. The Small Tyger Moth. The Caterpillar feeds on Lettice, Chickweed &c. Spins up and is taken in the Fly State in May. 7. The White Admirable Butterfly. See this Fly described in Plate 8. N.º 1

Sells Plain (or Coloured from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benj. Wilkes, Feb^y the 1. 1741. According to Act of Parliament.

Design'd by B. Wilkes. —

Engrav'd by H. Roberts. —



1. The Swallow-tail Butterfly, breeds twice a Year; it first appears the beginning of May, the Caterpillar feeds on wild Fennel, Changes to Chrysalis the beginning of July, and the second breed appears in about fifteen days after. 2. The Cliefden-Beauty. taken by beating the Hedges in July. 3. The Admirable Butterfly. The Caterpillar feeds inclosed in the Leaves of Nettles, changes to Chrysalis the end of July, the Fly appears in August. 4. The High Brown Fritillary Butterfly. is Taken in Rough Grounds near Woods, the end of June. 5. The Cliefden Carpet Moth, taken as the Cliefden Beauty. 6. The Large Tortoiseshell Butterfly. The Caterpillar feeds on Elms, changes to Chrysalis in June, the Fly appears in July.

Setts Plain (or Colour'd from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street, Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benj.^r Wilkes, March y^e 1. 1741. According to Act of Parliament.

Design'd by B. Wilkes.

Engrav'd by H. Roberts.



1. The Scorch'd-wing Moth, taken by beating the Boughs the beginning of June. 2. The Ultramarine Butterfly, to be taken the end of May in Hay Grass. 3. The Purple-hair-streak Butterfly, The Caterpillar feeds on Oase, changes to Chrysalis the beginning of June, the Fly appears in the same Month. 4. The Great Tyger Moth. The Caterpillar feeds on Nettles. Settice &c. spins up into Chrysalis the middle of May, and appears in the Fly State in June. 5. The Marmoris Butterfly. 6. The Darkened Green Fritillary. these were both taken the middle of June in Hay Grass near Dulwich Woods. 7. The Comma Butterfly, The caterpillar feeds on Hops, changes to Chrysalis the middle of August, appears in the Fly State the beginning of September.

Setts Plain (or Colour'd from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may See His COLLECTION of INSECTS.

Published by Benj^r Wilkes, March y^e 10. 1741. According to Act of Parliament.

Design'd by B. Wilkes.

Engrav'd by H. Roberts.



1. The Empervour Moth. The Caterpillar feeds on Willow Black Thorn &c. spins up into Chrysalis in July, the Moth comes forth in April. 2. The Painted Lady Butterfly. The Caterpillar feeds on Nettles changes to Chrysalis the end of June, the Fly appears the middle of July. 3. The Goat Moth. The Caterpillar feeds on the Willow wood, goes into Chrysalis in May the Moth comes forth in June. 4. The Poplar Hawk Moth. The Caterpillar feeds on Poplar, changes to Chrysalis in Aug, the Moth appears in April. 5. The Blue Border'd Moth. 6. The Mottled Beauty a Moth. These were taken by beating the hedges in June. 7. The Black Arches a Moth. The Caterpillar feeds on Oak, changes to Chrysalis the end of June, the Moth appears the end of July.

Sells Plain (or Coloured from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may See His COLLECTION of INSECTS.

Published by Benj.ⁿ Wilkes March y^d 24, 1741. According to Act of Parliament

Designed by B. Wilkes. —

Engraved by H. Roberts. —



1. The Pepper'd Moth. The Caterpillar feeds on Elm, changes to Chrysalis in August, the Moth appears in May. 2. The Crimson and Gold Moth. Taken in the Fly State in the Fields adjoining to Comb Wood in July. 3. The Privet Hawk Moth. The caterpillar feeds on Lilach Privet &c. goes into Chrysalis in August, the Moth appears in June. 4. The Rock-Underwing a Butterfly. taken in the Fly State near Comb Wood in July. 5. The Oak Beauty a Moth. The Caterpillar feeds on Oak Elm, & changes to Chrysalis in June, the Moth appears in March. 6. The White Stripe Moth. Taken by beating the Hedges in May. 7. The Leopard Moth. was taken at Hornsey Wood in July.

Sells Plain (or Colour'd from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may See His COLLECTION of INSECTS.

Published by Benj. Wilkes, March y^e 25, 1742. According to Act of Parliament

Design'd by B. Wilkes.

5th Plate.

Engrav'd by H. Roberts.



1. The Great Red Underwing Moth. the Caterpillar feeds on Willow; changes to Chrysalis in June, the Moth appears in July. 2. The Gotbick Moth. taken by beating the hedges in June. 3. The Buff Arches, a Moth. taken by beating the hedges the End of July. 4. The Treble Bar'd Moth. taken in the Fly State in May. 5. The Pebble Moth. the Caterpillar feeds on Willow; changes to Chrysalis in July, the Moth appears in May. 6. The Purple Emperour Butterfly. taken in the Fly State in Comb Wood the beginning of July. 7. The Buff Tip Moth. the Caterpillar feeds on Willow, changes to Chrysalis in September the Moth appears in May.

Sells Plain (or Coloured from the Real Flies) Sold by B. Wilkes against the Horn Tavern in Fleet Street Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benj^m Wilkes May the 6, 1742 According to Act of Parliament.

Designed by B. Wilkes.

6th Plate.

Engraved by H. Roberts.



1. The Cock Emperour: See this Moth describ'd in Plate the 4th N^o 1. 2. The Burnet. 3. The Forester: The Caterpillar of these Moths feed on Hay-Grass, change to Chrysalis the beginning of May and appear in the Fly State the end of the same Month. 4. The Small Pearl Border, a Fritillary, taken in the Fly State in Tottenham Woods the end of May. 5. The Admirable Butterfly. See it describ'd in Plate the 2^d N^o 3. 6. The Great Fritillary-Butterfly. To be taken in the Fly State near Comb Wood, the middle of July.

Sells Plain (or Colour'd from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may See His COLLECTION of INSECTS.

Published by Benj^l Wilkes April y^e 1. 1742. According to Act of Parliament

Engrav'd by H. Roberts.

Design'd by B. Wilkes

7th Plate.



1. The White Admirable Butterfly, to be taken in the Fly State about the 20th of June, in Comb-Wood. 2. The Drinker Moth. The Caterpillar feeds on long Grass, changes to Chrysalis the end of May, the Fly appears the end of June. 3. The Lime Hawk Moth. the Caterpillar feeds on Elm, Lime &c. changes to Chrysalis in July, the Moth comes forth in April. 4. The Eyed Hawk Moth. the Caterpillar feeds on Willow, changes to Chrysalis in August, the Moth appears in May. 5. A White Striped Moth. taken by beating the Hedges in May. 6. The Mottled Umber, a Moth. The Caterpillar feeds on Oak, changes to Chrysalis about July, the Moth appears in October.

Setts Plain (or Coloured from the Real Flies) Sold by B. Wilkes against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may See His COLLECTION of INSECTS.

Published by Benjⁿ Wilkes April y^d 21, 1742. According to Act of Parliament.

Design'd by B. Wilkes

Engrav'd by H. Roberts.

8th Plate.



1. The Female Purple Emperor Butterfly, See it describ'd in Plate the 6.th N^o 6. 2. The Gipsy Moth. The Caterpillar feeds on Black Thorn, Crab-tree, &c. changes to Chrysalis in July, the Moth appears the same Month. 3. This Moth. was taken by beating the Hedges in May. 4. The Light-Tuffock Moth. the Caterpillar feeds on Black-thorn, changes to Chrysalis in Septem^r. the Moth appears in April. 5. The Small Elephant Moth. feeds and changes as the Large one. See it Describ'd in Plate the 9.th N^o 4. 6. The Peach Blossom, a Moth. was taken by beating the Hedges the end of June. 7. The Great Red Underwing Moth. See it Describ'd in Plate the 6.th N^o 1. 8. the Caterpillar of this Moth feeds on White Thorn, changes to Chrysalis in May, and appears in the Fly State in August. 9. The Richmond Beauty. taken by beating the Hedges in June.

Sells Plain (or Colour'd from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street, Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benj^m Wilkes, June y^e 5.th 1742. According to Act of Parliament

Design'd by B. Wilkes

10.th Plate.

Engrav'd by H. Roberts



1. The Scollopsbell Moth, taken by beating the Hedges in June. 2. The Orange Underwing Moth, taken in Hornsey-Wood in April. 3. The Golden Y. Moth, taken in the Fly State in May. 4. A Carpet Moth, taken by beating in June. 5. The Yellow Underwing Moth, taken in the Fly State in July. 6. The Great Magpye Moth, the Caterpillar feeds on the Goosberry Trees &c. changes to Chrysalis in May, the Moth appears in June. 7. The Cream Spot-Tyger Moth, the Caterpillar feeds on Chickweed. &c. changes to Chrysalis the beginning of May, the Moth comes forth the same Month. 8. The Burnished Moth, taken in the Fly State in June. 9. The Streamer, a Moth, taken by beating the Hedges in April. 10. The Waved Umber, a Moth, taken by beating the Hedges in May. 11. The Brindle Beauty Moth, the Caterpillar feeds on Willow &c. changes to Chrysalis in June, the Moth appears in April. —

Sells Plain (or Coloured from the Real Flies) sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benj. Wilkes, June y 19th 1742. According to Act of Parliament.

Designed by B. Wilkes. —

11th Plate.

Engraved by H. Roberts. —



1. The Bee Tyger, this Moth was bred by M.^r Dandridge from a Caterpillar that was found on the Jessamine the middle of June, at which time it changed into a Chrysalis, and the Moth came forth the end of Octo.^r following, These Caterpillars are rarely to be met with. 2. The Puff Moth, the Caterpillar feeds on Willow, changes to Chrysalis in July, the Moth appears in May. 3. The Scarlet Tyger Moth, the Caterpillar feeds on Hounds Tongue, changes to Chrysalis in May, the Moth appears in June. 4. The Lady of the Woods, taken in the Fly State in April. 5. The Orange Field Butterfly, taken in the Fly State in June. 6. The Painted Lady Butterfly. See it described in Plate the 4.th N.^o 2.

Sells Plain (or Coloured from the Real Flies) Sold by B. Wilkes, against the Horn Tavern in Fleet Street. Where any Gentleman or Lady may

See His COLLECTION of INSECTS.

Published by Benjⁿ Wilkes June y^e 8th 1742. According to Act of Parliament

Design'd by B. Wilkes. —

12.th Plate.

Engrav'd by H. Roberts. —

In order to oblige such Persons as may be desirous to make a Collection of MOTHS and BUTTERFLIES, though unacquainted with the Manner how, it is judged proper to lay down the following Directions.

PROVIDE a Net made of Muscheto Gauze, and in Shape like a Bat-folding Net, let its Length be one Ell, the Width at Bottom three Quarters of a Yard, at Top half a Yard, and cut circular; this must be sew'd to a Tape or Ferret, that it may be fasten'd to a couple of Hasle or other Sticks five Feet long each, the upper Part whereof should be Circular to fit your Net.

You must likewise have a Stick of Hasle, or any other Wood, about five or six Feet in Length; wherewith to put the Flies and Moths on the Wing, by beating the Boughs, Hedges, Shrubs, or other Growths you are near, so that you may be able better to see and take them.

Furnish yourself likewise with Boxes of such Sizes as will go into your Pocket, let them be lin'd at the Top and Bottom with Cork; be also provided with a Pin-cushion, well stock'd with different Sorts of Pins.

These Things being in readiness, go into the Woods and Fields thereto adjacent, (always placing yourself where the Sun has most Power) also into Chalk-pits, rough Grounds, Lanes, &c. In all which Places, if it is a fine Day, and a proper Season of the Year, you will find Plenty of Sport.

When you have taken a Fly in your Net, lay the Net flat on the Ground, which will prevent the Fly from fluttering; then put the Fore Finger of your Left Hand under the Fly, and with the same Finger of your Right give it a squeeze on the Back or Chest, and that will kill it; be careful, however, not to press too hard, lest you damage the Fly. This done, take a Pin, and run it through the Body, betwixt the Wings, letting that Side be uppermost which is most beautiful; then stick it in your Box, and look for more Sport.

Having collected such a Number of Flies as you think proper, and being return'd home, look into your Boxes, and observe which of them are fit to set: such as you find dead and not stiff are so.

Then (having prepar'd before hand two or three Boards cover'd with Cork, of about ten Inches by sixteen in Size, or as you find most convenient, to place your Flies in order on and extend their Wings in the best manner: by the Assistance of little Bracers made of a sound Cork, cut very smooth with a sharp Knife, into five or six Parts, each Part being again cut into five or six Lengths, or Slips, with a Pin thrust thorough the End of each) proceed to manage them as follows:

Take a Fly out of your Box: see if the Pin be run thorough it perpendicularly: if so, stick it on one of your setting Boards, and with the Point of a Needle (which must be fixt into a small Stick, or what else you like best) extend one Wing leisurely, till such Time as the Point thereof is even with the Nose of the Fly you are setting. That done, fix one of your Cork Bracers gently on that Wing, to prevent its giving way; serve the other Wings in the same manner, and your Fly will appear extended as in the Prints. Let the Bracers remain on the Wings of Butterflies a Fortnight, on those of great Moths a Month. Take Notice, however, that a great Number of small Moths must be set in your Boxes in the Field, otherways your Labour will be lost; you'll presently know which these are, by observing them to be dead and almost stiff; so that it is proper to carry always about you a little Box of Cork Bracers for this Purpose.

The Way to preserve your Flies, after you have taken them from your Setting Board.

If you put them in Drawers, Boxes, or Frames with Glasses before them, its proper to get some Camphire, or (what I think better) some pounded Pepper, inclose this in small Muslin Bags, and fasten it to those Places where your Flies are; by which Means you will destroy those small Insects that would otherwise injure your Flies; and by renewing now and then this Method, I am convinced your Flies may be preserved a great many Years. The Months in England that produce the greatest Variety of Flies, are April, May, June, July, and August, especially of the Butterfly Kind; and for Moths, I am of Opinion, that there are many different Species produced all the Year round. Thus much seem'd necessary to say in Respect to taking Insects in the Fly State, and more would be superfluous.

But as it may be agreeable to Some to breed the Flies themselves from the Caterpillars, I shall likewise give the best Instructions I am able for that Purpose.

In the Spring Season, you may collect great Variety of Caterpillars, by spreading a Sheet under Oak Trees: then beating the Boughs, many Caterpillars will fall, which if taken Care of, will produce scarce and valuable Moths; you may also find Caterpillars on the Black-thorn, White-thorn, Bramble, Chick-weed, Willow, and many other Growths.

When you have collected a Number of Caterpillars, and remark'd the Food you found them on, put them into Boxes, which prepare as follows: Take a Deal or Wainscot Box, cut a large Square out of the Top and Bottom, cover the Part cut out with a Piece of Crape Hatband, glewing the same all round, to prevent any Escape. This done, put your Caterpillars into the Box, with some of the same Food you found them on, giving them, if you can, fresh every Day. Here you'll find them feed and thrive; and after changing their Skins two or three times, they will go into their Aurelia State, and there remain for a certain time, some much longer than

others; but in about fourteen Days from this last change, you may look into your Boxes, to see if you have any Flies bred; remembering that such as are produced in this Manner, much more perfect Flies may be chosen from, than any can be caught.

The Method to kill great Moths is this, take a large Needle, which fix in a small Stick, dip the Point of it in double Aqua-fortis, then thrust the Needle through the Stomach up into the Head; and altho' this way may appear cruel, you cannot have your Flies in Perfection without it.

There is yet another Thing proper to be known, in order to compleat your Collection. A great Number of Caterpillars go into the Earth, and there change to Aurelias, whose Moths are seldom upon the Wing till Night; these Aurelias are to be got by digging with such a Trowel as the Bricklayers use, about the Roots of Trees, such as Oaks, Elms, Limes, Poplars, Willows, &c, also by the Sides of Walls and Pales. The usual Time to dig for them is from September to March.

When you have obtain'd a Number of Aurelias by digging, you must provide for them thus: Get some Earth and scowering Sand, mix them well together, and put the Mixture into some large Garden Pots; lay your Aurelias on that, covering them with Moss; then sew a Piece of Crape Hatband round a small Hoop, and put such a Cover on each Pot, in order to receive the Flies when bred, which will usually be in the Months of March, April, May and June. I have always kept my Pots of Aurelias out in the open Air, and the Flies have been produced with great Success; however it may be proper to place a Piece of Board over each Pot, to prevent unforeseen Accidents.

Those who think proper to put these Directions in Practice, will, I am convinced, in a short Time, be possess'd of a great Number of valuable Flies; and for their farther Information, I shall conclude, with giving an Account of the different Manner after which many Caterpillars change into the Aurelia State, whereby they will be better able to order their Breeding Boxes; for as several Sorts of Caterpillars go down into the Earth, some Earth must be put into the Boxes for that Purpose.

AN ACCOUNT of the different Manner after which several Caterpillars change into their Aurelia State.

Of the Butterfly Kind, some fasten themselves up by the Tail, as the

Peacock.
Great Tortoise-Shell.
Comma.
Painted Lady.
Small Tortoise-Shell, &c.

Others place themselves horizontally, being suspended by the Tail and a small Thread cross the Chest, as the

Swallow-Tail.
Garden White.
Black-vein'd White, &c.

Some make a spinning within their Food, and there change to Aurelias, as the ADMIRABLE, &c.

Many of the Moth Kind change to Aurelias within the Ground, as the

Bee Tyger,	Lime Hawk,	Buff Tip,
Privet Hawk,	Oak Beauty,	Great yellow Underwing,
Eyed Hawk,	Brindle Beauty	Yellow Underwing,
Poplar Hawk,	Mottled Umber,	Pepper Moth, &c.

Others spin themselves up in their Food, or in Places adjacent thereto, as the

Great Tyger,	Emperor,	Drinker,
Small Tyger,	Lappet,	Burnet,
Scarlet Tyger,	Elephant, great and small,	Great Magpye,
Cream spot Tyger,	Pebble,	Dark Tufflock, &c.

Some feed within the Bodies of Trees, and there change to Aurelias, as the Great Goat Moth.

Others change to Aurelias betwixt the Body and the Bark of Trees, as the Great Red Underwing.

The Puff Caterpillar makes a hard Case on the Bark of the Tree, and changes to an Aurelia in that.

The Great Egger Moth first makes a Spining or Web, and within that a Case of a close Contexture, shaped like an Egg; in which Case it changes to an Aurelia.

The Food these Caterpillars chuse to feed on you may find already described under the Prints, as also the Time when they change into AURELIAS, and when they issue forth in their FLY STATE.

